

### ABSTRACT OF THE DISCLOSURE

A device for detecting arterial pressure with high measurement precision, comprising a cuff with inflatable chamber, adapted to be placed around the arm of a patient, elements for introducing air to inflate the cuff, and decompression elements suitable to decompress the inflatable chamber, the device further comprising elements adapted to detect and store all the sphygmie pulses generated by arterial pressure and to identify the pulses that correspond to the appearance and disappearance of the wrist beat, detected by a detection technique that requires the intervention and judgment of an operator.